

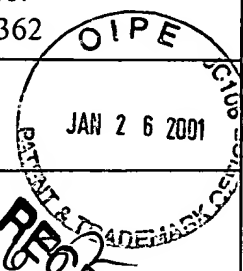
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| Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office | Client Matter No. 13238.00005 | Serial No. 09/555,362 |
| | Applicant Christopher A. Bradfield et al. | |
| | Filing Date May 30, 2000 | Group TBA |

| U. S. PATENT DOCUMENTS | | | | | | |
|------------------------|----|--------------|---------|------------------|-------|----------|
| Examiner Initial | | Document No. | Date | Name | Class | subclass |
| gw | AA | 5,650,283 | 7/1997 | Bradfield et al. | 435 | 7.1 |
| gw | AB | 5,695,963 | 12/1997 | McKnight et al. | 435 | 69.1 |
| | AC | | | | | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | |
|------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| gw | AD | Allada, Ravi <i>et al.</i> , A Mutant <i>Drosophila</i> Homolog of Mammalian <i>Clock</i> Disrupts Circadian Rhythms and Transcription of <i>period</i> and <i>timeless</i> , Cell 93:791-804 (1998) |
| | AE | Antoch, Marina P. <i>et al.</i> , Functional Identification of the Mouse Circadian <i>Clock</i> Gene by Transgenic BAC Rescue, Cell 89:655-667 (1997) |
| | AF | Atchley, William R. and Fitch, Walter M. , A natural classification of the basic helix-loop-helix class of transcription factors, Proc. Natl. Acad. Sci. USA 94:5172-5176 (1997) |
| | AG | Antonsson, Camilla <i>et al.</i> , Constitutive Function of the Basic Helix-Loop-Helix/PAS Factor Arnt, The Journal of Biological Chemistry 270:13968-13972 (1995) |
| | AH | Burbach, Kristine M. <i>et al.</i> , Cloning of the Ah-receptor cDNA reveals a distinctive ligand-activated transcription factor, Proc. Natl. Acad. Sci. USA 89:8185-8189 (1992) |
| | AI | Carver, Lucy A. and Bradfield, Christopher A., Ligand-dependent Interaction of the Aryl Hydrocarbon Receptor with a Novel Immunophilin Homolog <i>in Vivo</i> , The Journal of Biological Chemistry 272:11452-11456 (1997) |
| | AJ | Carver, Lucy A. <i>et al.</i> , Tissue specific expression of the rat Ah-receptor and ARNT mRNAs, Nucleic Acid Research 22:3038-3044 (1994) |
| | AK | Carver, Lucy A. <i>et al.</i> , The 90-kDa Heat Shock Protein Is Essential for Ah Receptor Signaling in a Yeast Expression System, The Journal of Biological Chemistry 269:30109-30112 (1994) |

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| EXAMINER <i>Joe Winters</i> | DATE CONSIDERED 12/21/03 |
|-----------------------------|--------------------------|

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| | Filing Date May 30, 2000 | Group TBA |


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | | |
|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 96 | BA | Carver, Lucy A. <i>et al.</i> , Characterization of the Ah Receptor-associated Protein, ARA9, The Journal of Biological Chemistry 273:33580-33587 (1998) | ✓ |
| | BB | Chan, William K. <i>et al.</i> , Baculovirus Expression of the Ah Receptor and Ah Receptor Nuclear Translocator, The Journal of Biological Chemistry 269:26464-26471 (1994) | ✓ |
| | BC | Darlington, Thomas K. <i>et al.</i> , Closing the Circadian Loop: CLOCK-Induced Transcription of Its Own Inhibitors <i>per</i> and <i>tim</i> , Science 280:1599-1603 (1998) | ✓ |
| | BD | Dolwick, Kristine M. <i>et al.</i> , Cloning and Expression of a Human Ah Receptor cDNA, Molecular Pharmacology 44:911-917 (1993) | ✓ |
| | BE | Dolwick, Kristine M. <i>et al.</i> , <i>In vitro</i> analysis of Ah receptor domains involved in ligand-activated DNA recognition, Proc. Natl. Acad. Sci USA 90:8566-8570 (1993) | ✓ |
| | BF | Dunlap, Jay, Circadian Rhythms: An End in the Beginning, Science 280:1548-1549 (1998) | ✓ |
| | BG | Ema, Masatsugu <i>et al.</i> , A novel bHLH-PAS factor with close sequence similarity to hypoxia-inducible factor 1 α regulates the VEGF expression and is potentially involved in lung and vascular development, Proc. Natl. Acad. Sci. USA. 94:4273-4278 (1997) | ✓ |
| | BH | Ema, Masatsugu <i>et al.</i> , Two New Members of the Murine Sim Gene Family Are Transcriptional Repressors and Show Different Expression Patterns during Mouse Embryogenesis, Molecular and Cellular Biology 16:5865-5875 (1996) | ✓ |
| | BI | Enan, Essam and Matsumara, Fumio, Identification of c-Src as the Integral Component of the Cytosolic Ah Receptor Complex, Transducing the Signal of 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin (TCDD) Through the Protein Phosphorylation Pathway, Biochemical Pharmacology 52:1599-1612 (1996) | ✓ |
| | BJ | Gekakis, Nicholas <i>et al.</i> , Isolation of <i>timeless</i> by PER Protein Interaction: Defective Interaction Between <i>timeless</i> Protein and Long-Period Mutant PER, Science 270:811-815 (1995) | ✓ |
| | BK | Gekakis, Nicholas <i>et al.</i> , Role of the CLOCK Protein in the Mammalian Circadian Mechanism, Science 280:1564-1569 (1998) | ✓ |

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|----------|-------------------|-----------------|----------|
| EXAMINER | <i>Joe Waitak</i> | DATE CONSIDERED | 12/21/03 |
|----------|-------------------|-----------------|----------|

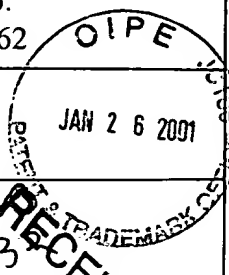
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SW | CA | Golemis, Erica A. <i>et al.</i> , Interaction Trap/Two-Hybrid System to Identify Interacting Proteins, Current Protocols in Molecular Biology 20.1.1-20.1.35 (1997) |
| | CB | Hirose, Ken <i>et al.</i> , cDNA Cloning and Tissue-Specific Expression of a Novel Basic Helix-Loop-Helix/PAS Factor (Arnt2) with Close Sequence Similarity to the Aryl Hydrocarbon Receptor Nuclear Translocator (Arnt), Molecular and Cellular Biology 16:1706-1713 (1996) |
| | CC | Hogenesch, John B. <i>et al.</i> , The basic-helix-loop-helix-PAS orphan MOP3 forms transcriptionally active complexes with circadian and hypoxia factors, Proc. Natl. Acad. Sci. USA 95:5474-5479 (1998) |
| | CD | Hogenesch, John B. <i>et al.</i> , Characterization of a Subset of the Basic-Helix-Loop-Helix-PAS Superfamily That Interacts with Components of the Dioxin Signaling Pathway, The Journal of Biological Chemistry 272:8581-8593 (1997) |
| | CE | Ikeda, Masaaki and Nomura, Masahiko, cDNA Cloning and Tissue-Specific Expression of a Novel Basic Helix-Loop-Helix/PAS Protein (BMAL1) and Identification of Alternatively Spliced Variants with Alternative Translation Initiation Site Usage, Biochemical and Biophysical Research Communications 233:258-264 (1997) |
| | CF | Jain, Sunjay <i>et al.</i> , Potent Transactivation Domains of the Ah Receptor and the Ah Receptor Nuclear Translocator Map to Their Carboxyl Termini, The Journal of Biological Chemistry 269:31518-31524 (1994) |
| | CG | King, David P. <i>et al.</i> , Positional Cloning of the Mouse Circadian Clock Gene, Cell 89:641-653 (1997) |
| | CH | LeBeau, M.M. <i>et al.</i> , Chromosomal location of the human AHR locus encoding the structural gene for the Ah receptor to 7p21→p15, Cytogenetics and Cell Genetics 66:172-176 (1994) |
| | CI | Ma, Qiang and Whitlock, Jr., James P., A Novel Cytoplasmic Protein That Interacts with the Ah Receptor, Contains Tetratricopeptide Repeat Motifs, and Augments the Transcriptional Response to 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin, The Journal of Biological Chemistry 272:8878-8884 (1997) |
| | CJ | Maltepe, Emin <i>et al.</i> , Abnormal angiogenesis and responses to glucose and oxygen deprivation in mice lacking the protein ARNT, Nature 386:403-407 (1997) |

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| EXAMINER | Joe W. Wanda | DATE CONSIDERED | 12/21/03 |
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| | Filing Date May 30, 2000 | Group TBA |


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9w | DA | Meyer, Brian K. <i>et al.</i> , Hepatitis B Virus X-Associated Protein 2 Is a Subunit of the Unliganded Aryl Hydrocarbon Receptor Core Complex and Exhibits Transcriptional Enhancer Activity, <i>Molecular and Cellular Biology</i> 18:978-988 (1998) |
| | DB | Pollenz, Richard S. <i>et al.</i> , Isolation and Expression of cDNAs from Rainbow Trout (<i>Oncorhynchus mykiss</i>) That Encode Two Novel Basic Helix-Loop-Helix/PER-ARNT-SIM (bHLH/PAS) Proteins with Distinct Functions in the Presence of the Aryl Hydrocarbon Receptor, <i>Journal of Biological Chemistry</i> 271:30886-30896 (1996) |
| | DC | Rutila, Joan E. <i>et al.</i> , CYCLE Is a Second bHLH-PAS Clock Protein Essential for Circadian Rhythmicity and Transcription of <i>Drosophila period</i> and <i>timeless</i> , <i>Cell</i> 93: 805-814 (1998) |
| | DD | Schmidt, Jennifer V. <i>et al.</i> , Characterization of a murine <i>Ahr</i> null allele: Involvement of the Ah receptor in hepatic growth and development, <i>Proc. Natl. Acad. Sci. USA</i> 93:6731-6736 (1996) |
| | DE | Schmidt, Jennifer V. and Bradfield, Christopher A., Ah Receptor Signaling Pathways, <i>Annu. Rev. Cell Dev. Biol.</i> 12:55-89 (1996) |
| | DF | Schmidt, Jennifer V. <i>et al.</i> , Molecular Characterization of the Murine <i>Ahr</i> Gene, <i>The Journal of Biological Chemistry</i> 268:22203-22209 (1993) |
| | DG | Tian, Hui <i>et al.</i> , Endothelial PAS domain protein 1 (EPAS1), a transcription factor selectively expressed in endothelial cells, <i>Genes & Development</i> 11:72-82 (1997) |
| | DH | Vaziri, Cyrus <i>et al.</i> , Expression of the Aryl Hydrocarbon Receptor Is Regulated by Serum and Mitogenic Growth Factors in Murine 3T3 Fibroblasts, <i>The Journal of Biological Chemistry</i> 271:25921-25927 (1996) |
| | DI | Wang, Guang L. <i>et al.</i> , Hypoxia-inducible factor 1 is a basic-helix-loop-helix-PAS heterodimer regulated by cellular O ₂ tension, <i>Proc. Natl. Acad. Sci. USA</i> . 92:5510-5514 (1995) |
| | DJ | Zhou, Yu-Don't <i>et al.</i> , Molecular characterization of two mammalian bHLH-PAS domain proteins selectively expressed in the central nervous system, <i>Proc. Natl. Acad. Sci. USA</i> . 94:713-718 (1997) |

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| EXAMINER Joe W. Winters | DATE CONSIDERED 12/21/03 |
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